

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptaul53cxa

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	4	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	5	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	6	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	7	MAR 02	GBFULL: New full-text patent database on STN
NEWS	8	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	9	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	10	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	11	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	12	MAR 22	PATDPASPC - New patent database available
NEWS	13	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	14	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	15	APR 04	EMBASE - Database reloaded and enhanced
NEWS	16	APR 18	New CAS Information Use Policies available online
NEWS	17	APR 25	Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAPLUS and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
NEWS	18	APR 28	Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAPLUS
NEWS EXPRESS			JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:11:51 ON 28 APR 2005

=> file caplus uspatfull japio eptfull medline biosis embase scisearch		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 15:12:28 ON 28 APR 2005
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATFULL' ENTERED AT 15:12:28 ON 28 APR 2005
 CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'JAPIO' ENTERED AT 15:12:28 ON 28 APR 2005
 COPYRIGHT (C) 2005 Japanese Patent Office (JPO)- JAPIO

FILE 'EPFULL' ENTERED AT 15:12:28 ON 28 APR 2005
 COPYRIGHT (C) 2005 European Patent Office / FIZ Karlsruhe

FILE 'MEDLINE' ENTERED AT 15:12:28 ON 28 APR 2005

FILE 'BIOSIS' ENTERED AT 15:12:28 ON 28 APR 2005
 Copyright (c) 2005 The Thomson Corporation

FILE 'EMBASE' ENTERED AT 15:12:28 ON 28 APR 2005
 COPYRIGHT (C) 2005 Elsevier Inc. All rights reserved.

FILE 'SCISEARCH' ENTERED AT 15:12:28 ON 28 APR 2005
 Copyright (c) 2005 The Thomson Corporation

=> s (drug delivery)
 L1 263321 (DRUG DELIVERY)

=> s l1 and inert and impermeabl?
 L2 1970 L1 AND INERT AND IMPERMEABL?

=> s l2 and reservoir
 L3 1064 L2 AND RESERVOIR

=> s l3 and (nanocrystalline diamond)
 L4 5 L3 AND (NANOCRYSTALLINE DIAMOND)

=> d l4 1-5 ibib abs

L4 ANSWER 1 OF 5 USPATFULL on STN
 ACCESSION NUMBER: 2005:53687 USPATFULL
 TITLE: Method of fabricating a microfluidic delivery system
 INVENTOR(S): Greenberg, Robert J., Los Angeles, CA, UNITED STATES
 Mech, Brian V., Sherman Oaks, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005045592	A1	20050303
APPLICATION INFO.:	US 2003-635633	A1	20030805 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2001-46458, filed on 26 Oct 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-272962P	20010228 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SECOND SIGHT, LLC, 12744 SAN FERNANDO ROAD, BUILDING	

#3, SYLMAR, CA, 91342
NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: CLM-01-28
NUMBER OF DRAWINGS: 1 Drawing Page(s)
LINE COUNT: 281

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An implantable biocompatible microchip **drug delivery** substrate is coated with a thin film of ultra-**nanocrystalline diamond**; assuring that the device is biocompatible and **impermeably** sealed, to prevent the substrate from being dissolved by the living tissue and to protect the drugs from premature release or undesired reaction with the body fluids. The coating is selectively patterned by doping to create electrically conductive areas that can be used as an electrically activated release mechanism for **drug delivery**. The conformal ultra-**nanocrystalline diamond** coating uniformly covers the device, providing relief from sharp edges and producing a strong, uniformly thick **impermeable** coating around sharp edges and on high aspect-ratio parts. The ultra-**nanocrystalline diamond** coating provides a conformal coating on the biocompatible device, which is of approximately uniform thickness around sharp corners and on high aspect-ratio parts. The conformal nature of the coating assures impermeability and strength despite the presence of difficult to coat shapes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 2 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2004:158686 USPATFULL
TITLE: Controlled release device and method using electrothermal ablation
INVENTOR(S): Uhland, Scott A., Roslindale, MA, UNITED STATES
Polito, Benjamin F., Cambridge, MA, UNITED STATES
Maloney, John M., Cambridge, MA, UNITED STATES
Sheppard, Norman F., JR., Bedford, MA, UNITED STATES
Herman, Stephen J., Andover, MA, UNITED STATES
Yomtov, Barry Y., Marblehead, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004121486	A1	20040624
APPLICATION INFO.:	US 2003-641507	A1	20030815 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-404196P	20020816 (60)
	US 2003-463865P	20030418 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SUTHERLAND ASBILL & BRENNAN LLP, 999 PEACHTREE STREET, N.E., ATLANTA, GA, 30309	
NUMBER OF CLAIMS:	50	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	7 Drawing Page(s)	
LINE COUNT:	1598	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Devices and methods are provided for the controlled release or exposure of **reservoir** contents. The device includes a **reservoir** cap formed of an electrically conductive material, which prevents the **reservoir** contents from passing out from the device and prevents exposure of the **reservoir** contents to molecules outside of the device; an electrical input lead connected to said **reservoir** cap; and an electrical output lead connected to said **reservoir** cap, such that upon application of an electrical current through the

reservoir cap, via the input lead and output lead, the **reservoir** cap ruptures to release or expose the **reservoir** contents. The **reservoir** contents can comprise a release system containing drug molecules for release or can comprise a secondary device, such as a sensor. In one embodiment, the controlled release system is incorporated into an implantable **drug delivery** device.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2004:139738 USPATFULL

TITLE: Micro-**reservoir** osmotic release systems and microtube array device

INVENTOR(S): Coppeta, Jonathan R., Windham, NH, UNITED STATES
Santini, John T., JR., North Chelmsford, MA, UNITED STATES
Uhland, Scott A., Roslindale, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004106914	A1	20040603
APPLICATION INFO.:	US 2003-668573	A1	20030923 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-412746P	20020923 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SUTHERLAND ASBILL & BRENNAN LLP, 999 PEACHTREE STREET, N.E., ATLANTA, GA, 30309	
NUMBER OF CLAIMS:	38	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	11 Drawing Page(s)	
LINE COUNT:	1757	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Devices and methods are provided for controlled release of chemical molecules, such as drugs. One device comprises a plurality of reservoirs; a rupturable covering, such as a thin metal film, enclosing a first end of each **reservoir**; a release formulation in each **reservoir** comprising chemical molecules for release; an expanding material layer in each **reservoir**; and a semi-permeable membrane enclosing a second end of each **reservoir** distal the release formulation, the semi-permeable membrane being operable to permit selected molecules (e.g., water) from outside the **reservoir** to diffuse to the expanding material layer to expand the expanding material layer and displace the release formulation in an amount effective rupture the rupturable membrane and discharge the release formulation. The device may further comprises a **reservoir** cap covering semi-permeable membrane and means for selectively disintegrating the **reservoir** cap to initiate diffusion of fluid molecules from outside the **reservoir** and through the semi-permeable membrane.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 4 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2003:117620 USPATFULL

TITLE: Coated microfluidic delivery system

INVENTOR(S): Greenberg, Robert J., Los Angeles, CA, UNITED STATES
Mech, Brian V., Stevenson Ranch, CA, UNITED STATES

NUMBER	KIND	DATE
--------	------	------

PATENT INFORMATION: US 2003080085 A1 20030501
APPLICATION INFO.: US 2002-96183 A1 20020311 (10)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2001-46458, filed
on 26 Oct 2001, PENDING
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: SECOND SIGHT, LLC, P.O. BOX 905, SANTA CLARA, CA, 91380
NUMBER OF CLAIMS: 45
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 6 Drawing Page(s)
LINE COUNT: 721

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A microfluidic delivery system substrate is coated with ultra-
nanocrystalline diamond (UNCD) or with a thin ceramic
film, such as alumina or zirconia, that is applied by ion-beam assisted
deposition; assuring that the device is **impermeably** sealed, to
prevent the substrate from being dissolved by hostile environments and
to protect the molecules from premature release or undesired reaction
with hostile environments. The UNCD coating may be selectively patterned
by doping to create electrically conductive areas that can be used as an
electrically activated release mechanism for **drug**
delivery. The UNCD coating provides a conformal coating, of
approximately uniform thickness, around sharp corners and on high
aspect-ratio parts, assuring impermeability and strength despite the
need to coat difficult shapes. The microfluidic delivery system is
suitable for use as an iontophoresis device, for transport of molecule,
having a substrate, a **reservoir** in the substrate for
containing the molecules.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 5 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2002:221041 USPATFULL
TITLE: Implantable microfluidic delivery system using ultra-
nanocrystalline diamond coating
INVENTOR(S): Greenberg, Robert J., Los Angeles, CA, UNITED STATES
Mech, Brian V., Sherman Oaks, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002119176	A1	20020829
	US 6858220	B2	20050222
APPLICATION INFO.:	US 2001-46458	A1	20011026 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-272962P	20010228 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SECOND SIGHT, LLC, P.O. BOX 905, SANTA CLARA, CA, 91380	
NUMBER OF CLAIMS:	33	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	355	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An implantable biocompatible microchip **drug delivery**
substrate is coated with a thin film of ultra-**nanocrystalline**
diamond; assuring that the device is biocompatible and
impermeably sealed, to prevent the substrate from being
dissolved by the living tissue and to protect the drugs from premature
release or undesired reaction with the body fluids. The coating is
selectively patterned by doping to create electrically conductive areas
that can be used as an electrically activated release mechanism for
drug delivery. The conformal ultra-

nanocrystalline diamond coating uniformly covers the device, providing relief from sharp edges and producing a strong, uniformly thick **impermeable** coating around sharp edges and on high aspect-ratio parts. The ultra-**nanocrystalline diamond** coating provides a conformal coating on the biocompatible device, which is of approximately uniform thickness around sharp corners and on high aspect-ratio parts. The conformal nature of the coating assures impermeability and strength despite the presence of difficult to coat shapes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

=>

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

125.23

125.44

STN INTERNATIONAL LOGOFF AT 16:00:07 ON 28 APR 2005